

Case No. GCSD-1470 (51336)



COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

In re Application of: **WINDHAM ET AL.**

Serial No.: **10/657,959**

Filed: **SEPTEMBER 9, 2003**

For: **LOAD LEVELING IN MOBILE AD-HOC NETWORKS TO SUPPORT  
END-TO-END DELAY REDUCTION, QOS AND ENERGY LEVELING**

Sir:

Transmitted herewith is an INFORMATION DISCLOSURE STATEMENT in the above-identified application.

1.  This IDS is submitted under 37 C.F.R. § 1.97. No fee is required.
2.  This IDS is submitted under 37 C.F.R. § 1.97(c). Enclosed is a check in the amount of \$180.00.
3.  This IDS is submitted under 37 C.F.R. § 1.97(c) and (e). No fee is required.
4.  This IDS is submitted under 37 C.F.R. § 1.97(d) and (e). Enclosed is a check in the amount of \$130.00 to cover the petition fee.
5.  The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. 01-0484.
6.  Please associate this application with Customer No. 27975.



PATENT TRADEMARK OFFICE

Date: October 14, 2003

PAUL J. DITMYER  
Reg. No. 40,455

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: E. J. C. S.  
WINDHAM ET AL.

Serial No. 10/657,959



Attorney Docket No.  
GCSD-1470 (51336)

Filing Date: SEPTEMBER 9, 2003

For: LOAD LEVELING IN MOBILE AD-  
HOC NETWORKS TO SUPPORT END-  
TO-END DELAY REDUCTION, QOS  
AND ENERGY LEVELING

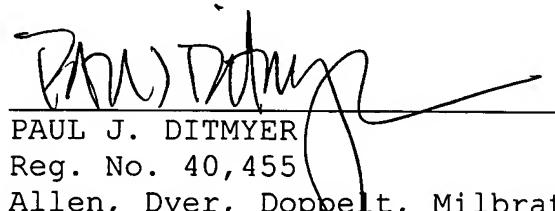
CITATION UNDER 37 CFR §1.97

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

Sir:

Attached is Form PTO-1449 listing several references for consideration in the examination of the above-identified application. A copy of each reference is also enclosed. It is requested that these references be considered by the Examiner and officially made of record in accordance with the provisions of 37 CFR §1.97 and Section 609 of the MPEP.

Respectfully submitted,

  
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In re Patent Application of  
**WINDHAM ET AL.**  
Serial No. 10/657,959  
Filed: SEPTEMBER 9, 2003



**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 14<sup>th</sup> day of October, 2003.

Dawn K. Finley

<b>INFORMATION DISCLOSURE STATEMENT</b>		Atty Docket: Serial No.: Applicant: Filing Date: Group:	GCSD-1470 (51336) 10/657,959 Windham et al. September 9, 2003
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*JCT 16 2003*  
*U.S. PATENT & TRADEMARK OFFICE*

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Examiner Initials		Document Number	Date	Name	Class	Sub Class	Filing Date
	AA	5,412,654	5/2/95	Perkins	370	94.1	
	AB	5,581,703	12/3/96	Baugher et al.	395	200.6	
	AC	5,884,174	3/16/99	Nagarajan et al.	455	436	
	AD	5,987,011	11/16/99	Toh	370	331	
	AE	6,189,033	2/13/01	Jin et al.	709	255	
	AF	6,216,006	4/10/01	Scholefield et al.	455	450	
	AG	6,304,556	10/16/01	Haas	370	254	
	AH	2001/0033556	10/25/01	Krishnamurthy et al.	370	329	1/18/01
	AI	6,335,927	1/1/02	Elliot et al.	370	352	
	AJ	2002/0018448	2/14/02	Amis et al.	370	255	4/24/01
	AK	6,349,091	2/19/02	Li	370	238	
	AL	6,377,548	4/23/02	Chuah	370	233	
	AM	6,385,174	5/7/02	Li	370	252	
	AN	6,396,814	5/28/02	Iwamura et al.	370	256	
	AO	2002/0082035	6/27/02	Aihara et al.	455	518	7/6/01
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	AQ	2002/0103893	8/1/02	Frelechoux et al.	709	223	1/29/02
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	AS	6,456,599	9/24/02	Elliott	370	254	
	AT	6,473,467	10/29/02	Wallace et al.	375	267	
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	AV	6,493,759	12/10/02	Passman et al.	709	227	
	AW	6,501,741	12/31/02	Mikkonen et al.	370	310	
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	AY	6,522,628	2/18/03	Patel et al.	370	230.1	
	AZ	6,535,498	3/18/03	Larsson et al.	370	338	

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*JC8, ST*

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Examiner Initials		Document Number	Date	Name	Class	Sub Class	Filing Dat
	BA	2003/0053424	3/20/03	Krishnamurthy et al.	370	316	8/7/01
	BB	2003/0067941	4/10/03	Fall	370	468	10/9/01

**FOREIGN PATENT DOCUMENTS**

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	BC						

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

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BE	Mirhakkak et al., <i>Dynamic Quality-of-Service for Mobile Ad Hoc Networks</i> , MITRE Corp., 2000
BF	Das et al., <i>Routing in Ad-Hoc Networks Using Minimum Connected Dominating Sets</i> , IEEE Int. Conf. On Commun. (ICC '97), 1997
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BH	Raghunathan et al., <i>Gateway Routing: A Cluster Based Mechanism for Recovery from Mobile Host Partitioning in Cellular Networks</i> , Proceedings of the 3 <sup>rd</sup> IEEE Symposium on Application-Specific Systems and Software Engineering Technology (ASSET'00), 2000
BI	Chen et al., <i>Clustering and Routing in Mobile Wireless Networks</i> , Nortel Networks and Computer Science, SITE, University of Ottawa, (no date available)
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BK	Chiang, <i>Routing in Clustered Multihop, Mobile Wireless Networks with Fading Channel</i> , Proceedings of IEEE SICON '97, April 1997, pp. 36-45
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<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)</b>			
	BO	McDonald, <i>PhD. Dissertation Proposal: A Mobility-Based Framework for Adaptive Dynamic Cluster-Based Hybrid Routing in Wireless Ad-Hoc Networks</i> , University of Pittsburgh, 1999	
	BP	Royer et al., <i>A Review of Current Routing Protocols for Ad Hoc Mobile Wireless Networks</i> , IEEE Personal Communications, April 1999, pp. 46-55	
	BQ	Corson et al., <i>A Reservation-Based Multicast (RBM) Routing Protocol for Mobile Networks: Initial Route Constructions Phase</i> , ACM/I. 1, No. 4, 1995, pp. 1-39	
	BR	Xiao et al., <i>A Flexible Quality of Service Model for Mobile Ad Hoc Networks</i> , IEEE VTC2000-spring, Tokyo, Japan, May 2000	
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	BT	Corson et al., <i>Mobile Ad Hoc Networking (MANET): Routing Protocol Performance Issues and Evaluation Considerations</i> , Network Working Group, Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, January 1999	
	BU	Haas et al., <i>The Bordercast Resolution Protocol (BRP) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, June 2001	
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	BW	Haas et al., <i>The Intrazone Routing Protocol (IERP) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, June 2001	
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	BY	Perkins et al., <i>Quality of Service in Ad hoc On-Demand Distance Vector Routing</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, July 2000	
	BZ	Park et al., <i>Temporally-Ordered Routing Algorithm (TORA) Versoin 1 Functional Specification</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, July 20, 2001	
	CA	Ogier et al., <i>Topology Broadcast Based on Reserve-Path Forwarding (TBRPF)</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, January 10, 2002	
	CB	Gerla et al., <i>Landmark Routing Protocol (LANMAR) for Large Scale Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, December 17, 2001	
	CC	Hu et al., <i>Flow State in the Dynamic Socurse Routing Protocol for Mobile Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, February 23, 2001	
	CD	Gerla et al., <i>Fisheye State Routing Protocol (FSR) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, December 17, 2001	

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<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)</b>			
<i>O / P K JC 87 OCT 16 2003 SEARCHED &amp; INDEXED PENDING TRADEMARK SEARCH</i>	CE	Johnson et al., <i>The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks (DSR)</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, November 21, 2001	
	CF	Perkins et al., <i>Ad hoc On-Demand Distance Vector (ADOV) Routing</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, November 9, 2001	
	CG	Chakrabarti et al., "QoS Issues in Ad Hoc Wireless Networks", IEEE Communications Magazine, (2/01), pp. 142-148	
	CH	Chen, "Routing Support for Providing Guaranteed End-to-End Quality-of-Service," Ph.D. thesis, Univ. of Illinois at Urbana-Champaign, <a href="http://cairo.cs.uiuc.edu/papers/Sthesis.ps">http://cairo.cs.uiuc.edu/papers/Sthesis.ps</a> , 1999	
	CI	Jin et al., <i>A Hierarchical Routing Protocol for Large Scale Ad Hoc Network</i> , IEEE 1999, pages 379-385.	
	CJ	Gerla et al., <i>Multicluster, Mobile, Multimedia Radio Network</i> , Wireless Networks I, 1995, pages 255-265.	

<b>EXAMINER:</b>	<b>DATE CONSIDERED:</b>
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\***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.